

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	147	(cooling or coolant) same channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:44
L2	7	1 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:46
L3	79	(cooling or coolant) with channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:47
L4	1	3 and "429"/	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:48
L5	7	3 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:48
L6	4201	channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:49
L7	60	6 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:50
L8	24	7 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 09:50
L9	0	"10520472"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:32
L10	1	"10/520472"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:32
L11	8882	channel same pressure with (bar or atm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 10:52
L12	576	(cooling or coolant) same channel same pressure with (bar or atm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:00
L13	13	12 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:01
L14	8	13 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:02
L15	59	11 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:19

L16	28	15 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:20
L17	676	cooling channel with pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L18	348	coolant channel with pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L19	30	17 and 18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:26
L20	2	19 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 11:27
L21	2	2003/0012986	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 12:21
L22	2	10/019231	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/15 12:22
S1	10311	fuel cell stack	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:22
S2	3998	S1 and channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:36
S3	68	"5858569"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:42
S4	2	S3 and @ad<"19980101"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 11:44
S5	3998	S1 and channel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:25
S6	515771	width with length	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:26
S7	474	S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:27
S8	178	S7 and bipolar plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:30
S9	60	S8 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:36
S10	19	S9 and axis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/11 12:51

S11	217	fuel cell and air cool	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:25
S12	886	fuel cell and (oxygen same cool)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:26
S13	262	fuel cell and (oxygen with cool)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:26
S14	116	S13 and @ad< "20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:27
S15	27	S13 and bipolar plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:28
S16	13	S15 and @ad< "20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:29
S17	66	S11 and @ad< "20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:33
S18	3	S17 and bipolar plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:34
S19	59	S12 and bipolar plate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/12 13:35
S20	3	"6689500"	US-PGPUB; USPAT	OR	ON	2008/02/12 15:51
S21	1	"7226880"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:00
S22	2	"7226680"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:00
S23	20	"4599282"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:14
S24	15	"4508793"	US-PGPUB; USPAT	OR	ON	2008/02/12 16:18
S25	2564525	air cooled fuel cell	US-PGPUB; USPAT	OR	ON	2008/02/12 17:20
S26	38	air cooled fuel cell	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:20
S27	24	S26 and @ad< "20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:21
S28	14	S27 and (polymer electrolyte membrane or PEM)	US-PGPUB; USPAT	ADJ	ON	2008/02/12 17:23
S29	28	"4444851"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:48
S30	0	S29 and @ad< "1982"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49

S31	0	S29 and @ad< "1983"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49
S32	1	S29 and @ad< "19830101"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 10:49
S33	31	"6416895"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 11:01
S34	0	"09821598"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 12:11
S35	2	"09/821598"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 12:12
S36	68013	(cooling or coolant) near air	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:16
S37	50178	air adj2 (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:21
S38	33162	S37 and @ad< "20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:22
S39	1219	S37 and "429"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:23
S40	603	S39 and @ad< "20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:23
S41	81	S40 and polymer electrolyte membrane	US-PGPUB; USPAT	ADJ	ON	2008/02/13 15:24
S42	9582	counter same cooling	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:32
S43	93	S42 and "429"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:33
S44	47	S43 and @ad< "20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:34
S45	38	S44 and air	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:36
S46	226	counter same air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:39
S47	149	S46 and @ad< "20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:39
S48	1	S47 and bipolar	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:40
S49	3	S46 and "429"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 16:41
S50	20	"4599282"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 17:09
S51	2	"0971428"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/13 17:58
S52	0	"0971428"	EPO	ADJ	ON	2008/02/13 17:59

S53	9	"6277511"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:04
S54	3	jp "61027071"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:19
S55	3	jp "09312168"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/13 18:30
S56	50	(( "20050208367" ) or ("5270132") or ("4483398") or ("4530887") or ("4579789") or ("4608345") or ("4855092") or ("4978591") or ("5270126") or ("5610961") or ("5627866") or ("5748695") or ("5780157") or ("5837395") or ("5855828") or ("6432176") or ("6544400") or ("20010045364") or ("4863798") or ("5328878") or ("5516595") or ("5516734") or ("5543198") or ("5637541") or ("6258883") or ("6399021") or ("6448212") or ("4370150") or ("6117580") or ("4348465") or ("4477539") or ("4561864") or ("4597734") or ("4787772") or ("4850498") or ("4878837") or ("4883423") or ("4986112") or	US-PGPUB; USPAT	OR	OFF	2008/02/13 18:33

		( "5185919") or "5189782") or ("5384019") or ("5620490") or ("5952117") or ("20050167873") or ("20050202296") or ("20070264550") or ("4317865") or ("4950563") or ("5519748") or ("4303023")) .PN.				
S57	50	( "4410266") or "4508793") or ("4578324") or ("5541015") or ("5549983") or ("5686199") or ("5700595") or ("5776625") or ("5853909") or ("5858569") or ("5882809") or ("6062210") or ("6087033") or ("4277317") or ("4324844") or ("4403018") or ("4425216") or ("4431714") or ("4548876") or ("4583583") or ("4604332") or ("4789518") or ("4945010") or ("4983471") or ("4988583") or ("5197276") or ("5316644") or ("5330859") or ("5376472") or ("5468573") or ("5527631") or ("5532071") or ("5543241") or ("5558955") or ("5750278") or ("5858567") or ("5863671") or ("5879826") or ("6017648") or ("6171719") or ("6207312") or ("20060188758") or ("3833424") or ("4048385") or ("4058482") or	US-PGPUB; USPAT	OR	OFF	2008/02/13 18:36

		("4150076") or ("4165349") or ("4169917") or ("4175165") or ("4074020")).PN.				
S58	6	S57 and air near2 (coolant cooling)	US-PGPUB; USPAT	OR	ON	2008/02/13 18:42
S59	866906	S57 and air cool\$2	US-PGPUB; USPAT	OR	ON	2008/02/13 19:19
S60	1	S57 and air cool\$2	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:20
S61	5	S57 and air cool\$4	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:20
S62	439	counterflow and air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:21
S63	27	S62 and "429"/\$.cls.	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:22
S64	21	S63 and @ad<"20020712"	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:22
S65	49	co-flow and air (cooling or coolant)	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:32
S66	9	S65 and S62	US-PGPUB; USPAT	ADJ	ON	2008/02/13 19:33
S67	4324	serpentine same (coolant or cooling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S68	235	S67 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S69	107	S68 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S70	29	S69 and polymer electrolyte membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 11:01
S71	3	"6689500"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 14:34
S72	4484	channel with width with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:12
S73	164	S72 and polymer adj2 membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:15
S74	54	S73 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:15
S75	35	S74 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:16

S76	47	(cooling or coolant) channel with width with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:27
S77	2	S76 and polymer adj2 membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:28
S78	106	(cooling or coolant) channel same width with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:31
S79	6	S78 and polymer adj2 membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:31
S80	274	(cooling and coolant) and channel with width with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:49
S81	37	S80 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:51
S82	19	S81 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 16:51
S83	1114	(cooling or coolant) and channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:06
S84	44	S83 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:06
S85	21	S84 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:07
S86	4589	(cooling or coolant) same channel with length	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:18
S87	128	S86 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:18
S88	62	S87 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:19
S89	10	(cooling and coolant) same channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:21
S90	2	S89 and "429"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:22
S91	4201	channel with length with mm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:25
S92	81	S91 and polymer adj2 membrane	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:27



S93	34	S92 and @ad<"20020712"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/02/14 17:27
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